

**METHOD AND STRUCTURE FOR SHORT RANGE LEAKAGE CONTROL IN  
PIPELINED CIRCUITS**

**ABSTRACT OF THE DISCLOSURE**

5           Leakage current control devices include a circuit  
having one or more functions in a data path where the  
functions are executed in a sequence. Each of the  
functions has power reduction logic to energize each  
respective function. A leakage control circuit interacts  
10 with the power reduction logic, so that the functions are  
energized or deenergized in a control sequence such that  
the functions where the data is resident are energized and  
at least one of the other functions is not energized.